

electrical designer eXtender

AutoCAD Electrical® eXtender: Wire Routing automatically performs optimised cabinet cabling

Overview:

Eliminate the need for engineers to spend hours designing the cabinet wiring diagrams.

From to lists, ensure manufacturing times are drastically reduced. The software will automatically determine the shortest possible route between two components to reduce design times and cut your costs. Taking into account cable types, segregation of cables, **eXtender** will automatically route the wiring around the assembly model and produce reports automatically on trunking/ducting enabling the user to determine the optimum wire fill factor within the trunking and therefore the percentage packing density, the number of wires per trunking route etc along with wire cut lists.

Benefits

Easy to learn & use, ensuring a rapid return on investment
Increased design productivity and quality of supporting documentation
Drastring reduction of manufacturing errors and design costs.
Significantly decreased manufacturing time and cost



AutoCAD Electrical® eXtender: Wire Routing

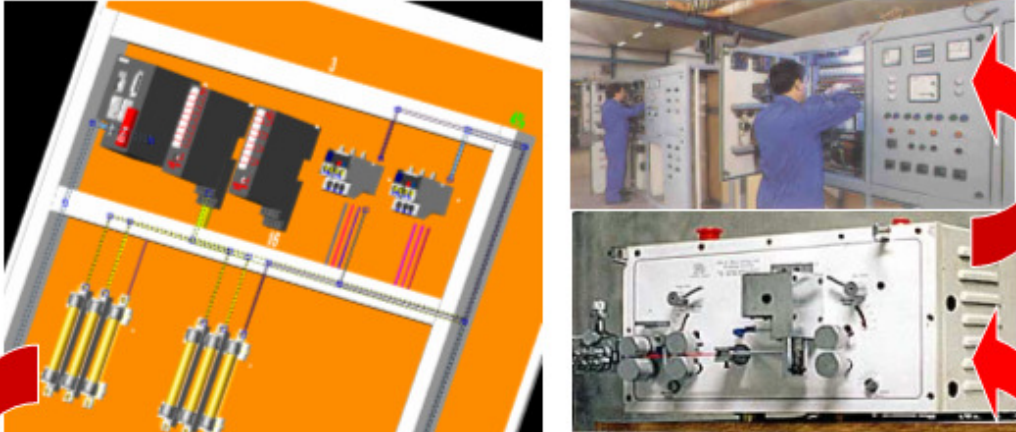
automatically performs optimised cabinet cabling

Features

eXtender: Wire Routing module drastically reduces the time it takes to create assembly drawings and automatically performs optimised cable routing.

By placing components in their 3D position, **eXtender** automatically will calculate the shortest possible routing of the wiring connections. 3D models are automatically created from manufacturers dimension data. Multiple components can be placed in the correct cabinet location at the same time, and the cabinet viewed in 3D to carryout quick and easy clash detection checks.

- Intelligent 3D trunking/ducting
- Export wire numbering, wire lengths, to wire labelling/cutting machines.
- Automatic true point to point cabling of components in the cabinet, based on the shortest possible route.
- Manual/automatic segregation of cables
- Open and closed circuit connections
- Specific cabinet component numbering
- Automatic calculation of trunking (ducting) fill factors
- No need to learn 3D
- 3D DIN Rails
- User configurable secondary numbering system for trunking (ducting) routes to identify the route of the cabling within reports
- Trunking (ducting) specific reports such as trunking fill, percentage packing density etc.
- From:To lists specify true length, colour, gauge, trunking (ducting) routes used to connect components...
- Semi automatic creation of 3D assembly/layout drawings.
- 3D panel views. No need to learn 3D. Placement of components will be on the correct view and elevation.
- Multiple placement, with auto spacing of cabinet components
- Major manufacturers enclosure footprint drawings (Hoffman, Himel, Sarel, Eldon Electric, Rittal)
- Automatic dimensioning
- Automatic detection and reporting of inconsistencies between schematics and layout drawings
- Component surface area/volume analysis to determine cubicle size



Component: F1							
Pin	Wire	To	Wire size	Wire colour	Wire type	Length	
1	L3	F2 : 1	0.14	RED	AWM	20.00	
3	L2	FU4 : 2	0.14	RED	AWM	54.00	
3	L2	F2 : 3	0.14	RED	AWM	20.00	
5	L1	FU3 : 1	0.14	RED	AWM	36.00	
5	L1	F2 : 5	0.14	RED	AWM	20.00	

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Technical requirements

AutoCAD Electrical 2007, AutoCAD Electrical 2008 or AutoCAD Electrical 2009

System Requirements

Please refer to the Autodesk web site for the system specification:

Versions

Standalone or network (concurrent) licenses available.



for further information or to request a demonstration:

ACERI

Vendelier 61
3905 PD Veenendaal
Nederland

Benelux please email info@Aceri.nl or call 0031 (0) 318 616 924

All other countries sales@aceri.com or call 0034 (0) 934 531 206

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